

**TDMS No.** 96015-06  
**Test Type:** CHRONIC  
**Route:** DOSED WATER  
**Species/Strain:** MICE/B6C3F1

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**  
WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)  
**CAS Number:** 3252-43-5

**Date Report Reqsted:** 07/11/2006  
**Time Report Reqsted:** 7:50:23  
**First Dose M/F:** 08/22/01 / 08/22/01  
**Lab:** SRI

F1\_M3

**C Number:** C96015  
**Lock Date:** 04/30/2004  
**Cage Range:** 1 - 9999  
**Date Range:** 1-JAN-1940 to 17-SEP-2040  
**Reasons For Removal:** ALL  
**Removal Date Range:** JAN /1 /1940 - SEP /17 /2040  
**Treatment Groups:**

Include 1 0 MG/L

Include 4 50 MG/L

Include 7 200 MG/L

Include 2 0 MG/L

Include 5 100 MG/L

Include 8 200 MG/L

Include 3 50 MG/L

Include 6 100 MG/L

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MALE MICE  
FIRST TERMINAL SACRIFICE AT 729 DAYS  
INDIVIDUAL SURVIVAL TIMES (DAYS)

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**DOSE = 0 MG/L**

TOTAL	50	UNCENSORED DEATHS	10	CENSORED DEATHS	0	TERMINAL	40
UNCENSORED DEATHS							
21	445	605	607	624	647	654	675
699	715						
CENSORED DEATHS							
None							

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**DOSE = 50 MG/L**

TOTAL	50	UNCENSORED DEATHS	10	CENSORED DEATHS	0	TERMINAL	40
UNCENSORED DEATHS							
437	633	639	647	672	679	686	704
716	726						
CENSORED DEATHS							
None							

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**DOSE = 100 MG/L**

TOTAL	50	UNCENSORED DEATHS	15	CENSORED DEATHS	0	TERMINAL	35
UNCENSORED DEATHS							
252	575	575	590	597	601	602	614
651	672	683	711	712	721		
724							
CENSORED DEATHS							
None							

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**DOSE = 200 MG/L**

TOTAL	50	UNCENSORED DEATHS	7	CENSORED DEATHS	1	TERMINAL	42
UNCENSORED DEATHS							
22	554	607	608	632	647	699	
CENSORED DEATHS							

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357

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**MALE MICE**  
 FIRST TERMINAL SACRIFICE AT 729 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)										
DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	729(A)
0 MG/L	98.0	98.0	98.0	98.0	98.0	96.0	96.0	94.0	86.0	80.0
50 MG/L	100.0	100.0	100.0	100.0	100.0	98.0	98.0	98.0	92.0	80.0
100 MG/L	100.0	100.0	98.0	98.0	98.0	98.0	98.0	86.0	82.0	70.0
200 MG/L	98.0	98.0	98.0	98.0	98.0	98.0	98.0	96.0	87.8	85.8

(A) FIRST TERMINAL SACRIFICE  
 (B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".  
 (C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE  
 (D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

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**MALE MICE**  
 FIRST TERMINAL SACRIFICE AT 729 DAYS

SURVIVAL SUMMARY STATISTICS				
DOSE	0 MG/L	50 MG/L	100 MG/L	200 MG/L
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	80.0%	80.0%	70.0%	85.8%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.671N	P=1.000N	P=0.349	P=0.630N
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	569.2 (65.3)	653.9 (26.1)	618.7 (29.8)	538.4 (87.7)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	697.0 (15.5)	714.0 (6.6)	695.9 (11.3)	694.9 (16.4)

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Lab: SRI

FEMALE MICE  
FIRST TERMINAL SACRIFICE AT 729 DAYS  
INDIVIDUAL SURVIVAL TIMES (DAYS)

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**DOSE = 0 MG/L**

TOTAL	50	UNCENSORED DEATHS	14	CENSORED DEATHS	0	TERMINAL	36
UNCENSORED DEATHS							
511	548	554	570	581	595	657	668
679	703	706	710	710	726		
CENSORED DEATHS							
None							

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**DOSE = 50 MG/L**

TOTAL	50	UNCENSORED DEATHS	11	CENSORED DEATHS	3	TERMINAL	36
UNCENSORED DEATHS							
339	426	427	456	590	611	646	660
660	703	727					
CENSORED DEATHS							
143	449	450					

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**DOSE = 100 MG/L**

TOTAL	50	UNCENSORED DEATHS	4	CENSORED DEATHS	3	TERMINAL	43
UNCENSORED DEATHS							
151	542	700	724				
CENSORED DEATHS							
519	520	520					

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**DOSE = 200 MG/L**

TOTAL	50	UNCENSORED DEATHS	3	CENSORED DEATHS	0	TERMINAL	47
UNCENSORED DEATHS							
659	686	696					
CENSORED DEATHS							

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INDIVIDUAL SURVIVAL TIMES (DAYS)

None

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**FEMALE MICE**  
 FIRST TERMINAL SACRIFICE AT 729 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)										
DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	729(A)
0 MG/L	100.0	100.0	100.0	100.0	100.0	100.0	98.0	88.0	86.0	72.0
50 MG/L	100.0	100.0	100.0	98.0	98.0	91.7	91.7	89.6	81.1	76.8
100 MG/L	100.0	98.0	98.0	98.0	98.0	98.0	95.9	95.9	95.9	91.6
200 MG/L	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.0	94.0

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 FIRST TERMINAL SACRIFICE AT 729 DAYS

SURVIVAL SUMMARY STATISTICS				
DOSE	0 MG/L	50 MG/L	100 MG/L	200 MG/L
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	72.0%	76.8%	91.6%	94.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.002N	P=0.825N	P=0.028N	P=0.007N
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	637.0 (19.7)	567.7 (39.8)	529.3 (132.4)	680.3 (11.1)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	703.2 (8.0)	670.6 (17.9)	700.5 (13.7)	726.1 (1.7)

\*\*\* END OF REPORT \*\*\*

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